



# MISSISSIPPI POWER & LIGHT COMPANY

*Helping Build Mississippi*

P. O. BOX 1640, JACKSON, MISSISSIPPI 39205

April 7, 1982

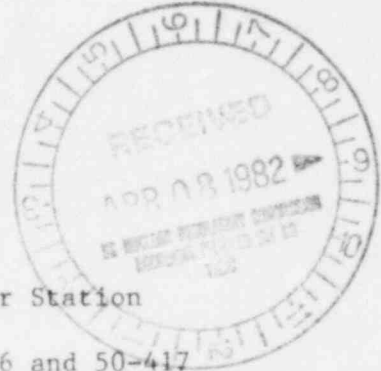
## NUCLEAR PRODUCTION DEPARTMENT

U. S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation  
Washington, D. C. 20555

Attention: Mr. Harold R. Denton, Director

Dear Mr. Denton:


SUBJECT: Grand Gulf Nuclear Station  
Units 1 and 2  
Docket Nos. 50-416 and 50-417  
File: L-350.0/260  
Vortex Testing of ESF Pumps  
Ref. 1: AECM-81/458 dated November 24,  
1981  
AECM-82/123



In concert with Reference 1, Mississippi Power & Light (MP&L) has completed vortex testing as part of the preoperational testing on the Residual Heat Removal Pump "B" on February 23, 1982. The pump performance was satisfactory throughout the range of flows from pump start to pump rated flow of 8940 gpm. No suction pressure or discharge pressure fluctuations were noted during the maximum pump flow run. Observation by qualified startup engineering personnel at the pump suction in the suppression pool noted no vortexing during the entire performance of the test which was conducted at a suppression pool level of El. 107 ft.

It is MP&L's understanding that this satisfies our commitment in Reference 1 and the NRC's requirement in the SER, Appendix C, Item A-43 for vortex formation testing.

Yours truly,

  
L. F. Dale  
Manager of Nuclear Services

RMS/SHH/JDR:rg

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cc: Mr. N. L. Stampley  
Mr. R. B. McGehee  
Mr. T. B. Conner  
Mr. G. B. Taylor

Mr. Richard C. DeYoung, Director  
Office of Inspection & Enforcement  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

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